

IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK



**EVALUATOR HANDBOOK FOR THE FIRE
INSPECTOR I/II PRACTICAL SKILLS V 2**

IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 1

Prepare inspection reports, given observations from a field inspection, so that the report is clear and concise and accurately reflects the finding of the inspection in accordance with applicable codes and standards. (*NFPA 1031, 2009 Edition, 4.2.1*)

Equipment & Materials

- An observation inspection
- Inspection report form

Task Steps	
1.	Prepare an inspection report
2.	Utilize observations from a field inspection
3.	Prepare a report that communicates its message clearly
4.	Prepare a report that communicates in a concise manner
5.	Prepare a report that communicates accurately
6.	Accurately reflect applicable codes and standards

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 2

Recognize the need for a permit, given a situation or condition, so that requirements for permits are communicated in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.2.2*)

Directions

Give a situation where a permit is required. Candidate must recognize the need for a permit and communicate the requirements for the permit in accordance with policies of the jurisdiction.

Equipment & Materials

- Scenario or actual situation where a permit is required.

Task Steps	
1.	Recognize the need for a permit
2.	Understand the type of permit required
3.	Direct written communication to the proper responsible party
4.	Communicate why the permit is necessary
5.	Advise party how to proceed with securing necessary permit
6.	Adhere to the policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 3

Process a permit application, given a specific request, so that the application is evaluated and a permit is issued or denied in accordance with the applicable codes, standards, policies, and procedures of the jurisdiction. (NFPA 1031, 2009 Edition, 5.2.1)

Task: given a permit application for a specific request for an aerial fireworks display, process the application. Issue a permit or deny the permit based upon applicable codes, standards, policies and procedures.

Equipment & Materials

- Application for aerial fireworks display

Task Steps	
1.	Process a permit application with a specific request
2.	Evaluate permit application in accordance with applicable codes and standards
3.	Evaluate permit application in accordance with policies and procedures of the jurisdiction
4.	Issue or deny permit based upon codes, standards, policies and procedures
5.	Advise party in writing of approval or denial of permit
6.	Provide justification of decision in written communication

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 4

Recognize the need for plan review, given a situation or condition, so that requirements for plan reviews are communicated in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.2.3*)

Equipment & Materials

- Scenario or actual situation where a plan review would be required.

Task Steps	
1.	Recognize the need for a plan review
2.	Understand the type of plan review required
3.	Direct written communication to the proper responsible party
4.	Communicate why the plan review is necessary
5.	Advise party how to proceed with obtaining a plan review
6.	Adhere to the policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 5

Investigate common complaints, given a reported situation or condition, so that the complaint information is recorded. The AHJ approved process is initiated and the complaint is resolved. (*NFPA 1031, 2009 Edition, 4.2.4*)

Equipment & Materials

- Scenario or actual situation where a common fire safety complaint has been made.

Task Steps	
1.	Receive the complaint with attentiveness and concern
2.	Record the complaint information for future reference
3.	Confirm or research applicable codes and standards
4.	Perform an investigation to confirm situation
5.	Resolve complaint based upon policies, codes and standards
6.	Inform complainant in writing of action taken

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 6

Investigate complex complaints, given a reported situation or condition, so that complaint information is recorded, the investigation process is initiated, and the complaint is resolved. (*NFPA 1031, 2009 Edition, 5.2.3*)

Task: Having been informed of a complex fire safety complaint, candidate will record the information, initiate complaint response process, and resolve the complaint.

Equipment & Materials

- Scenario or actual situation where a common fire safety complaint has been made.

Task Steps	
1.	Receive the complaint with attentiveness and concern
2.	Record the complaint information for future reference
3.	Confirm or research applicable codes and standards
4.	Perform an investigation to confirm situation
5.	Resolve complaint based upon policies, codes, and standards
6.	Inform complainant in writing of action taken

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 7

Identify the applicable code or standard, given a fire protection, fire prevention or life safety issue, so that the applicable document, edition, and section are referenced. (*NFPA 1031, 2009 Edition, 4.2.5*)

Directions

Using the same scenario given on skill sheet 1, identify the proper document, edition and section applicable to the fire safety problem given.

Task Steps	
1.	Identify the applicable code or standard
2.	Reference the proper document containing code/standard
3.	Reference the proper edition of applicable code or standard
4.	Reference the correct section of applicable code or standard

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 8

Recommend modifications to codes and standards of the jurisdiction, given a fire safety issue, so that the proposed codes and standards are correctly written and address the problem, need or deficiency.

(NFPA 1031, 2009 Edition, 5.2.4)

Task: Make written recommendation to modify existing codes and standards of the jurisdiction. Choose a fire safety issue and make change recommendations that are properly written and address the problem, need or deficiency.

Equipment & Materials

- Fire safety issue

Task Steps	
1.	Address a fire safety issue with existing codes and standards
2.	Make written recommendation to change code and /or standard
3.	Properly write changes to code and/or standard
4.	Make changes that address the problem, need or deficiency

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 9

Recommend policies and procedures for the delivery of inspection services, given management objectives, so that the inspections are conducted in accordance with the policies of the jurisdiction and due process of the law is followed. (*NFPA 1031, 2009 Edition, 5.2.5*)

Task: Use management objectives to make written recommendation for policies and procedures for the delivery of inspection services. Adhere to policies of the jurisdiction and applicable laws.

Equipment & Materials

- Management objectives for delivery of inspection services

Task Steps	
1.	Use management objectives for inspection delivery service to create recommendations
2.	Make written recommendations for policies and procedures
3.	Adhere to policies of the jurisdiction
4.	Adhere to applicable laws

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 10

Participate in legal proceedings, given the findings of a field inspection or a complaint and consultation with legal counsel, so that all information is presented accurately and the inspector's demeanor is professional. (*NFPA 1031, 2009 Edition, 4.2.6*)

Directions

Using the same scenario given in skill test 1, the candidate will play the role of the fire inspector I facing a legal challenge to his resolution of the fire safety problem given in that exercise. Conduct courtroom role play exercise to the extent necessary to ensure that the candidate is provide legal counsel (*simulated*) and testified to the conditions, applicable codes and standards, and resolution of the fire safety problem.

Equipment & Materials

- People to act as judge and two attorneys

Task Steps	
1.	Participate at simulated legal proceeding
2.	Testify to the conditions present at given fire safety problem
3.	Testify to the codes and standards applicable to the situation
4.	Present a demeanor appropriate at courtroom proceedings
5.	Present accurate information in response to questions

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 11

Identify the occupancy classification of a single-use occupancy, given a description of the occupancy and its use, so that an accurate classification is made according to the applicable codes and standards (*NFPA 1031, 2009 Edition, 4.3.1*)

Equipment & Materials

- Description of single-use occupancy

Task Steps	
1.	Identify the occupancy classification of given occupancy
2.	Consider use of occupancy in occupancy classification
3.	Utilize applicable codes and standards in classification

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 12

Compute the maximum allowable occupant load of a multi-use building, given field observations or a description of its uses, so that the maximum allowable occupant load calculation is in accordance with applicable codes and standards.(*NFPA 1031, 2009 Edition, 5.3.1*)

Equipment & Materials

- Filed observation or multi-use building description

Task Steps	
1.	Calculate maximum occupant load for multi-use building
2.	Utilize field observations or a description of occupancy
3.	Use applicable codes and standards to establish occupant load
4.	Utilize proper occupant load formula(s) for calculation

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 13

Identify the occupancy classification of a mixed-use building, given a description of the uses, so that each area is classified in accordance with applicable codes and standards. (*NFPA 1031, 2009 Edition, 5.3.2*)

Equipment & Materials

- Field observations or multi-use building occupancy

Task Steps	
1.	Identify occupancy classification of a mixed-use occupancy
2.	Consider use of occupancy in occupancy classification
3.	Utilize applicable codes and standards in classification

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 14

Determine the building's area, height, occupancy classification, and construction type, given an approved plan, a description of the building, or observations of construction features, so that they are in accordance with applicable codes and standards. (*NFPA 1031, 2009 Edition, 5.3.3*)

Equipment & Materials

- Building plans or plan review

Task Steps	
1.	Use plan review and observations, or a description to determine type of construction in a new building
2.	Classify construction type in accordance the applicable codes and standards

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 15

Inspect means of egress elements, given observations made during a field inspection of an existing building, so that means of egress elements are maintained in compliance with applicable codes and standards and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.3*)

Directions

Use personal observations or field observations provided by the instructor for an existing building to establish that means of egress elements are being maintained in adherence to applicable codes and standards.

Task Steps	
1.	Make personal observations or use given field observations
2.	Inspect means of egress elements for an existing building
3.	Ensure that means of egress is being maintained
4.	Confirm compliance with applicable codes and standards
5.	Identify and document deficiencies
6.	Report deficiencies in accordance with policies and jurisdiction

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 16

Analyze the egress elements of a building or portion of a building, given observations made during a field inspection, so that means of egress elements are provided and location in accordance with applicable codes and standards and all deficiencies are identified, documented and reported in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 5.3.5)

Equipment & Materials

- Field observations of egress elements of a building or portion thereof.

Task Steps	
1.	Analyze egress elements of a building or portion thereof
2.	Use field observations to verify that means of egress elements are provided in accordance with applicable codes and standards
3.	Use field observations to verify that egress elements are located in accordance with applicable codes and standards
4.	Identify deficiencies according to policies of jurisdiction
5.	Documents deficiencies according to policies of jurisdiction
6.	Report deficiencies according to policies of jurisdiction

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 17

Verify the type of construction for an addition or remodeling project, given field observations or a description of the project and the materials being used, so that the construction type is classified and recorded in accordance with the applicable codes and standards and the policies of the jurisdiction.(*NFPA 1031, 2009 Edition, 4.3.4*)

Task Steps	
1.	Make field observation or use project description
2.	Classify type of construction of addition or remodeling project
3.	Record construction type in accordance with applicable codes
4.	Record construction type according to policies of jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 18

Determine the operational readiness of existing fixed fire suppression system, given test documentation and field observations, so that the system is in an operational state, maintenance is documented, and all deficiencies are identified, documented and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.5*)

Equipment & Materials

- Test documentation and observations

Task Steps	
1.	Determine operational readiness of fixed suppression system
2.	Use test documentation to determine operational readiness
3.	Use field observation to determine operational readiness
4.	Verify documentation of maintenance and testing
5.	Identify and document deficiencies according to policies
6.	Report deficiencies in according with policies of jurisdiction

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 19

Determine the operational readiness of existing fire detection and alarm systems, given test documentation and field observations, so that the systems are in an operational state, maintenance is documented, and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.6*)

Equipment & Materials

- Test documentation

Task Steps	
1.	Determine operational readiness of detection/alarm systems
2.	Use test documentation to determine operational readiness
3.	Use field observations to determine operational readiness
4.	Identify and document deficiencies according to policies
5.	Report deficiencies in accordance with policies and procedures

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 20

Evaluate fire protection systems and equipment provided for the protection of life safety, a building, or a facility, given field observations of the facility and documentation, the hazards protected, and the system specifications, so that the fire protection systems provide are approved of the occupancy or hazard being protected. Evaluate installation for compliance with applicable codes and standards so that deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 5.3.4)

Task: Use field observations, hazards protected, and system specifications to evaluate whether fire protection systems, provided are appropriate for the occupancy or hazard. Determine whether they are installed in compliance with applicable codes and standards. Identify, document and report deficiencies according to policy.

Equipment & Materials

- Field observations of a building or facility's fire protections system and equipment, including documentation, hazards protected and system specifications.

Task Steps	
1.	Evaluate fire protection systems and equipment of a building or facility
2.	Use field observations, test documentation, and system specifications to determine whether systems are installed in compliance with applicable codes and standards
3.	Use field observations, test documentation, and system specifications to determine whether systems are appropriate to the occupancy or hazard protected
4.	Identify deficiencies according to policies of jurisdiction
5.	Document deficiencies according o polices of jurisdiction
6.	Report deficiencies according to policies of jurisdiction

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 22

Determine the operational readiness of existing portable fire extinguishers, given field observations and test documentation, so that the equipment is in an operational state, maintenance is documented and all deficiencies are identified, documented and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.7*)

Equipment & Materials

- Test documentation

Task Steps	
1.	Determine operational readiness of portable fire extinguishers
2.	Use test documentation to determine operational readiness
3.	Use field observations to determine operational readiness
4.	Verify documentation of maintenance and testing
5.	Identify and document deficiencies according to policies
6.	Report deficiencies in accordance with policies and jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 23

Recognize hazardous conditions involving equipment, processes, and operations, given field observations, so that the equipment, processes, or operations are conducted and maintained in accordance with applicable codes and standards and all deficiencies are identified, documented and reported in accordance with the policies of the jurisdiction. (NFPA 1031, 2009 Edition, 4.3.8)

Equipment & Materials

- Field observations of equipment, processes and operations

Task Steps	
1.	Recognize hazardous conditions involving equipment
2.	Recognize hazardous conditions involving processes and/or operations
3.	Verify that equipment is being maintained and operated in accordance with applicable codes and standards
4.	Verify that processes or operations are being maintained and operated in accordance with applicable codes and standards
5.	Identify and document deficiencies according to policies
6.	Report deficiencies according to policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 24

Evaluate hazardous conditions involving equipment, processes, and operations, given field observations and documentation, so that the equipment, processes or operations are installed in accordance with applicable codes and standards and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (NFPA 1031, 2009 Edition, 5.3.6)

Directions

For this skills evaluation checklist, students will need:

Equipment & Materials

- Field observations and appropriate documentation of installed equipment, processes and operations.

Task Steps	
1.	Evaluate hazardous conditions involving equipment, processes, and operations
2.	Use field observations to verify installation according to applicable codes and standards
3.	Use appropriate documentation to verify installation according to applicable codes and standards
4.	Identify deficiencies according to policies of jurisdiction
5.	Document deficiencies according to policies of jurisdiction
6.	Report deficiencies according to policies of jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 25

Compare an approved plan to an existing fire protection system, given approved plans and field observations, so that any modifications to the system are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.9*)

Equipment & Materials

- Approved fire protection system plan

Task Steps	
1.	Compare and approved plan to an installed protection system
2.	Compare field observations to approved plans
3.	Identify any modifications to the system
4.	Document any modifications to the system
5.	Report any modifications to the system
6.	Adhere to policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 26

Verify that emergency planning and preparedness measures are in place and have been practiced, given field observations, copies of emergency plans, and records of exercise, so that plans are prepared and exercises have been performed in accordance with applicable codes and standards and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (NFPA 1031, 2009 Edition, 4.3.10)

Task: evaluate whether emergency plans and preparedness measures exist and have been practiced.

Equipment & Materials

- Emergency plans

Task Steps	
1.	Verify that an emergency/preparedness plan is in place
2.	Review written plan as it applies to codes and standards
3.	Review documentation of emergency plan exercises
4.	Use field observations to confirm emergency preparedness
5.	Identify and document deficiencies in the emergency plan
6.	Report deficiencies according to policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 27

Evaluate hazardous conditions involving equipment, processes, and operations, given field observations and documentation, so that the equipment, processes or operations are installed in accordance with applicable codes and standards and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (NFPA 1031, 2009 Edition, 5.3.6)

Directions

For this skills evaluation checklist, students will need:

Equipment & Materials

- Field observations and appropriate documentation of installed equipment, processes and operations.

Task Steps	
1.	Evaluate hazardous conditions involving equipment, processes, and operations
2.	Use field observations to verify installation according to applicable codes and standards
3.	Use appropriate documentation to verify installation according to applicable codes and standards
4.	Identify deficiencies according to policies of jurisdiction
5.	Document deficiencies according to policies of jurisdiction
6.	Report deficiencies according to policies of jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 28

Inspect emergency access for an existing site, given field observations, so that the required access for emergency responders is maintained or so that deficiencies are identified, documented, and corrected in accordance with the applicable codes, standards, and policies of the jurisdiction.
(NFPA 1031, 2009 Edition, 4.3.11)

Equipment & Materials

- Field observations

Task Steps	
1.	Inspect emergency access site
2.	Determine if required emergency access is being maintained
3.	Identify deficiencies according to codes, standards and policies
4.	Document deficiencies according to codes, standards and policies
5.	Correct deficiencies according to codes, standards and policies

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet #29

Verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gases, given field observations and inspection guidelines from the authority having jurisdiction, so that applicable codes and standards are addressed and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.12*)

Equipment & Materials

- Field observations

Task Steps	
1.	Verify code compliance for storage, handling, and use of flammable and combustible liquids
2.	Verify code compliance for storage, handling, and use of flammable and combustible gases
3.	Use field observations to determine code compliance
4.	Use codes, standards and guidelines to determine compliance
5.	Identify deficiencies according to codes, standards, guidelines
6.	Document and report deficiencies according to guidelines

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 30

Verify code compliance for storage, handling, and use of flammable and combustible liquids and gases, given field observations and inspection guidelines from the authority having jurisdiction, so that applicable codes and standards are addressed and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 5.3.8)

Equipment & Materials

- Field observations and inspection guidelines

Task Steps	
1.	Verify code compliance for storage, handling, and use of flammable and combustible liquids
2.	Verify code compliance for storage, handling, and use of flammable and combustible gases
3.	Use field observations to determine code compliance
4.	Use codes, standards and inspection guidelines from the authority having jurisdiction to determine compliance
5.	Identify deficiencies according to jurisdiction policies
6.	Document and report deficiencies according to policies

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 31

Verify code compliance for incidental storage, handling and use of hazardous materials, given field observations, so that applicable codes and standards for each hazardous material encountered are addressed and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.13*)

Directions

Determine code compliance.

Equipment & Materials

- Field observations

Task Steps	
1.	Verify code compliance for storage, handling and use of hazardous material
2.	Use field observations to determine code compliance
3.	Use codes, standards and policies to determine compliance
4.	Identify deficiencies according to codes, standards and policies
5.	Document and report deficiencies according to policies

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IDHS DIVISION OF TRAINING
FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 32

Evaluate code compliance for the storage, handling and use of hazardous materials, given field observations, so that applicable codes and standards for each hazardous material encountered are properly addressed and all deficiencies are identified, documented and reported in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 5.3.9)

Equipment & Materials

- Field observations of storage, handling and use of hazardous material

Task Steps	
1.	Verify code compliance for storage, handling and use of hazardous material
2.	Use field observations to determine code compliance
3.	Use codes, standards and policies to determine compliance
4.	Identify deficiencies according to codes, standards and policies
5.	Document and report deficiencies according to policies

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 33

Recognize a hazardous fire growth potential in a building or space, given field observations, so that the hazardous conditions are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 4.3.14*)

Equipment & Materials

- Field observations

Task Steps	
1.	Recognize potential for hazardous fire growth
2.	Use field observations to establish potential for hazardous fire growth
3.	Identify condition contributing to this potential situation
4.	Document conditions contributing to this potential situation
5.	Report conditions contributing to this potential situation
6.	Adhere to policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 34

Determine fire growth potential in a building or space, given field observations or plans, so that the contents, interior finish, and construction elements can be evaluated for compliance with applicable codes and standards and all deficiencies are identified, documented, and corrected in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 5.3.10)

Equipment & Materials

- Field observations or plans of a building or space

Task Steps	
1.	Determine fire growth potential in a building or space
2.	Use field observations or plans to establish potential for hazardous fire growth
3.	Evaluate contents, interior finish, and construction elements for compliance with applicable codes and standards
4.	Identify deficiencies contributing to this potential situation
5.	Document deficiencies contributing to this potential situation
6.	Correct deficiencies according to policies of the jurisdiction

Prevent or prohibit any unsafe acts.

Contact the Lead Evaluator at any time with any questions

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Skill Sheet # 35

Determine code compliance, given the codes, standards and policies of the jurisdiction and a fire protection issue, so that the applicable codes, standards and policies are identified and compliance determined.

(NFPA 1031, 2009 Edition, 4.3.15)

Use field observations to determine code compliance in a building or space. Identify, document, and report this condition in accordance with policies of the jurisdiction.

Task Steps	
1.	Recognize conditions that determine code compliance
2.	Use field observations to determine code compliance
3.	Prepare a compliance letter based on a field report
4.	Adhere to policies of the jurisdiction

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PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 36

Verify fire flows for a site, given fire flow test results and water supply data, so that required fire flows are in accordance with applicable codes and standards and all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 4.3.16)

Equipment & Materials

- Fire flow test results and water supply data

Task Steps	
1.	Confirm that fire flows for a site are in accordance with applicable codes and standards
2.	Use fire flow test results to verify that required fire flows are present in accordance with applicable codes and standards
3.	Use water supply data to verify that required fire flows are present in accordance with applicable codes and standards
4.	Identify deficiencies according to policies of jurisdiction
5.	Document deficiencies according to policies of jurisdiction
6.	Report deficiencies according to policies of jurisdiction

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PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 37

Inspect emergency access for a site, given field observations, so that the required access for emergency responders is provided, approvals are issued, or deficiencies are identified (*NFPA 1031, 2009 Edition, 5.3.11*)

Task: Use field observations to confirm that required access for emergency responders is provided.

Equipment & Materials

- Site field observations

Task Steps	
1.	Inspect emergency access for a site
2.	Use field observations to determine if access is provided
3.	Verify that emergency access approval has been issued
4.	Identify deficiencies according to codes, standards and policies
5.	Document deficiencies according to codes, standards and policies
6.	Correct deficiencies according to codes, standards and policies

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PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 38

Verify compliance with construction documents, given a performance-based design, so that life safety system and building services equipment are installed, inspected and tested to perform as described in the engineering documents and the operations and maintenance manual that accompany the design, so that all deficiencies are identified, documented, and reported in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 5.3.12*)

Equipment & Materials

- Construction documents

Task Steps	
1.	Inspect construction documents for compliance
2.	Identify deficiencies according to codes, standards and policies
3.	Document deficiencies according to codes, standards and policies
4.	Correct deficiencies according to codes, standards and policies

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PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 39

Classify the occupancy type, given a set of plans, specifications, and a description of a building, so that the classification is made according to applicable codes and standards. (*NFPA 1031, 2009 Edition, 5.4.1*)

Equipment & Materials

- Plan specifications and description of building

Task Steps	
1.	Identify the occupancy classification of given occupancy
2.	Consider use of occupancy in occupancy classification
3.	Utilize applicable codes and standards in classification
4.	Use plans, specifications, and building description to classify

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PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 40

Compute the maximum allowable occupant load, given a floor plan of a building or portion of the building, so that the calculated occupant load is in accordance with applicable codes and standards.

(NFPA 1031, 2009 Edition, 5.4.2)

Equipment & Materials

- Floor plan of a building or portion thereof

Task Steps	
1.	Calculate occupant load of a building or portion thereof
2.	Use floor plan to compute occupant load
3.	Calculate occupant load according to codes and standards

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 41

Review the proposed installation of fire protection systems, given shop drawings and system specification for a process or operation, so that the system is reviewed for code compliance and installed in accordance with the approved drawings, and all deficiencies are identified, documented and reported in accordance with the policies of the jurisdiction.

(NFPA 1031, 2009 Edition, 5.4.3)

Equipment & Materials

- Shop drawing and system specifications for a process or operation

Task Steps	
1.	Field verify the installation of a fire protection system
2.	Use shop drawings and system specifications for a process or operation
3.	Evaluate code compliance and installation in accordance with approved drawings
4.	Identify deficiencies according to policies of the jurisdiction
5.	Document deficiencies according to policies of jurisdiction
6.	Report deficiencies according to policies of the jurisdiction

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 42

Verify that means of egress elements are provided, given a floor plan of a building or portion of a building, so that all elements are identified and checked against applicable codes and standards and any deficiencies are discovered and communicated in accordance with the policies of the jurisdiction. (*NFPA 1031, 2009 Edition, 5.4.4*)

Equipment & Materials

- Floor plan of a building or a portion thereof

Task Steps	
1.	Verify that egress elements are provided
2.	Use floor plan of building or portion thereof for verification
3.	Identify egress elements and check against applicable codes and standards
4.	Discover deficiencies according to policies of the jurisdiction
5.	Communicate deficiencies according to policies

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FIRE INSPECTOR I/II
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Skill Sheet # 43

Verify the construction type of a building or portion thereof, given a set of approved plans and specifications, so that the construction type complies with the approved plans and applicable codes and standards. (*NFPA 1031, 2009 Edition, 5.4.5*)

Equipment & Materials

- Approved plans and specifications for a building or portion thereof

Task Steps	
1.	Field verify construction type of a building or portion thereof
2.	Use approved plans to verify construction type
3.	Use approved specifications to verify construction type
4.	Ensure compliance with applicable codes and standards
5.	Verify that construction type complies with approved plans

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